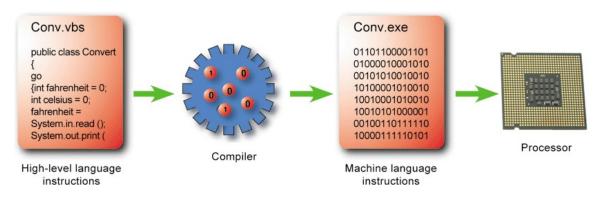
## https://selldocx.com/products

# /te©hapter-ner@maraptersixad-DigitainBasias-concepts-2013-comprehensive-15e-parsons

## TRUE/FALSE

1.	The digital revolution com" bubble burst.	n became a signific	cant factor in the 1980s but ended in the 1990s when the "do	ot
	ANS: F	PTS: 1	REF: 4	
2.	The first digital comp	outer was develope	ed for conducting the census.	
	ANS: F	PTS: 1	REF: 6	
3.	Facebook and Twitte	r are examples of s	social networking options.	
	ANS: T	PTS: 1	REF: 10	
4.	Privacy advocates fee private and what is n		nologies are fundamentally changing our expectation of wha	at is
	ANS: T	PTS: 1	REF: 11	
5.	Prior to 1940, the wo	rd computer was d	efined as a person who performs calculations.	
	ANS: T	PTS: 1	REF: 14	
6.	An operating system	is an example of a	pplication software.	
	ANS: F	PTS: 1	REF: 16	
7.	Because of increased	versatility, a video	ogame console is now considered a personal computer.	
	ANS: F	PTS: 1	REF: 17	
8.	The purpose of a serv	ver is to serve com	puters on a network.	
	ANS: T	PTS: 1	REF: 18	
9.	In the binary number	system, 2 is used	to represent the value 2.	
	ANS: F	PTS: 1	REF: 23	
10.	The number 9 can be	considered a chara	acter.	
	ANS: T	PTS: 1	REF: 24	
11.	Because most digital	devices are electro	onic, bits take the form of electrical pulses.	
	ANS: T	PTS: 1	REF: 27	
12.	Semiconductor mater	rials are substances	s with properties between those of a conductor and an insula	ator.

ANS: T PTS: 1 REF: 27



13.	A compiler like the one shown in the accompanying figure converts all statements in a program to
	machine language in a single batch.

ANS: T PTS: 1 REF: 30

14. An interpreter converts and executes one statement at a time.

ANS: T PTS: 1 REF: 30

15. The op code in a machine language instruction specifies the data.

ANS: F PTS: 1 REF: 31

16. The operand is a command word for an operation.

ANS: F PTS: 1 REF: 31

17. All computers are case sensitive.

ANS: F PTS: 1 REF: 35

18. Trojans are computer programs that seem to perform one function while actually doing something else.

ANS: T PTS: 1 REF: 37

19. To ensure you can remember your password it is a good idea to base it on information you can easily remember such as your birthday.

ANS: F PTS: 1 REF: 38

20. You should always use a different password for every account.

ANS: F PTS: 1 REF: 39

### **MODIFIED TRUE/FALSE**

1. <u>Digital</u> technology has made it easy to produce copies of music with no loss of quality from the original.

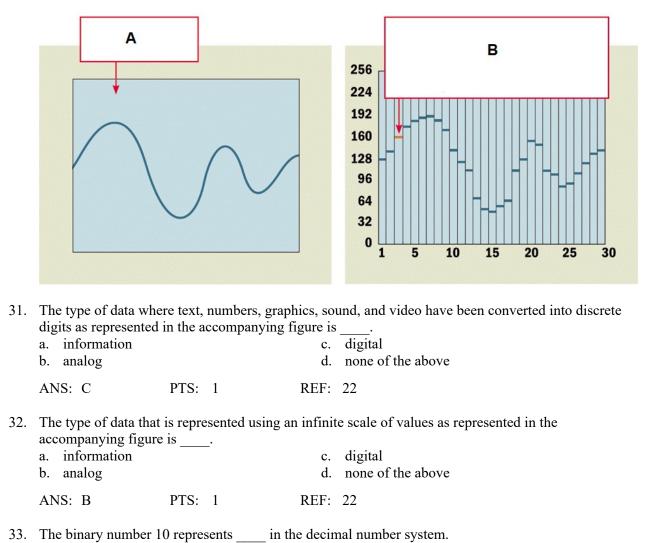
	ANS: T	PTS: 1	REF: 11	
2.	<u>Free</u> source projects promote copy	ring, free distribution, peer re-	view, and user modifica	tions.
	ANS: F, Open			
	PTS: 1 REF: 12			
3.	An area where data can be left on	a permanent basis is memory.		
	ANS: F, storage			
	PTS: 1 REF: 15			
4.	The set of instructions that tells a	computer how to carry out pro	ocessing tasks is a comp	outer <u>program</u> .
	ANS: T	PTS: 1	REF: 15	
5.	In the past, minicomputers were us	sed for small businesses.		
	ANS: T	PTS: 1	REF: 16	
6.	A(n) <u>supercomputer</u> is a large and hundreds or thousands of users			essing data for
	ANS: F mainframe mainframe computer			
	PTS: 1 REF: 18			
7.	The term <u>server</u> can refer to a com	bination of hardware and soft	tware.	
	ANS: T	PTS: 1	REF: 18	
8.	A(n) microcomputer specializes in	compute-intensive problems	·	
	ANS: F, supercomputer			
	PTS: 1 REF: 19			
9.	A light switch is like a(n) analog d	evice.		
	ANS: F, digital			
	PTS: 1 REF: 22			
10.	<u>DIPs</u> and PGAs are both shapes of	integrated circuits.		
	ANS: T	PTS: 1	REF: 27	

11.	The results of states	nents tha	at have been	compiled	are called	object code.	
	ANS: T			PTS:	1	REF:	30
12.	A set of machine la	nguage i	nstructions f	or a progra	am is calle	ed source cod	le.
	ANS: F, machine						
	PTS: 1	REF:	30				
13.	The ALU uses regis	sters to h	old data that	is being p	rocessed.		
	ANS: T			PTS:	1	REF:	31
14.	A(n) keylogger is a	form of	malicious co	ode			
	ANS: T			PTS:	1	REF:	37
15.	A(n) account managlogin forms.				orrespond	ing password	ls and automatically fills in
	ANS: F, password						
	PTS: 1	REF:	40				
NATIT !	EIDLE CHOICE						
	FIPLE CHOICE						
1.	processed by digital a. Digitization b. Analog convers	devices		c.	Scannin Rasteriz	ıg	o into data that can be
	ANS: A	PTS:	1	REF:	5		
2.	The first digital con a. census taking b. code breaking	nputers v	vere built du	c.	l War II fo commu troop pl	nication	
	ANS: B	PTS:	1	REF:	6		
3.	software refera. Local b. Proprietary	s to any	software tha	c.	ed on a co Cloud Digital	mputer's har	d disk.
	ANS: A	PTS:	1	REF:	7		
4.	Initially sales were a. price b. size	slow for	the personal	c.	lack of		
	ANS: C	PTS:	1	REF:		•	

5.	a. 10	ntage of ho	ouseholds that l	c.	omputer was closest to percent.  50
	b. 30			d.	70
	ANS: A	PTS:	1	REF:	7
6.			originally deve		s a military project is the
	a. World Wide W	Veb			Wide-area network
	b. Internet			d.	Local-area network
	ANS: B	PTS:	1	REF:	8
7.				:v	were lifted in 1995, companies such as AOL and
	CompuServe beca		r services.		Wide one metryent
	<ul><li>a. World Wide W</li><li>b. Internet</li></ul>	veb		c.	Wide-area network Local-area network
	ANS: B	PTS:	1	REF:	8
8.	^	f the digita	l revolution ma	iterializ	red in the 1990s when the Internet was opened to
	public use. a. first			C	third
	b. second				fourth
	ANS: C	PTS:	1	REF:	8
9.	According to the t	ext, a key	aspect of	is that i	it adds content and substance to .
	a. the Web, the I	nternet		c.	the Internet, the Web
	b. convergence,	the cloud		d.	the cloud, local applications
	ANS: A	PTS:	1	REF:	8
10.	During the period	from	, computing w	as chara	acterized by the Web, e-mail, multiplayer games,
	music downloads,				
	a. 1982-1985				1990-1995
	b. 1985-1990			d.	1995-2010
	ANS: D	PTS:	1	REF:	8
11.	The is a colle	ection of li	nked documen	ts. gran	hics and sounds
	a. network		imea accamen		cyberspace
	b. Web				Internet
	ANS: B	PTS:	1	REF:	8
12	A group of compu	ters linked	together to she	are data	and resources is a(n)
12.	a. network	icis illikcu	together to sha		cyberspace
	b. Web				Internet
	ANS: A	PTS:	1	REF:	8
13.	computing p Internet.	rovides ac	cess to informa	ıtion, ap	oplications, communications, and storage over the
	a. Distance			c.	Cloud
	b. Disparate				Local
	-	DTC	1		
	ANS: C	PTS:	1	REF:	y

14.	Technology is to form a single production a. evolution	_	s by which sev		ferent technologies with distinct functionality evolve
	b. rotation				convergence diversification
	ANS: C	PTS:	1	REF:	9
15.	content.	d-based	applications de		for social interaction and consumer-generated
	<ul><li>a. Sharing</li><li>b. Wiki</li></ul>				Blogging Social
	ANS: D	PTS:	1	REF:	10
16.	By 2011, Facebook I a. 200 b. 350	had	_ million users.	c.	750 950
	ANS: C	PTS:	1	REF:	
17.	tools cloak a page. a. Anonymizer b. Free ID	erson's i	dentity online.	c.	ID free Cloaking
	ANS: A	PTS:	1	REF:	•
18.	A computer is a mul a. store data b. process data	tiple pu	pose device the	c.	o all of the following EXCEPT  accept input think independently
	ANS: D	PTS:	1	REF:	14
19.	In a computer, most	process	ing takes place		
	<ul><li>a. memory</li><li>b. RAM</li></ul>				the CPU the motherboard
	ANS: C	PTS:	1	REF:	15
20.	An electronic compo a. CPU b. microprocessor	onent the	at can be progra	c.	to perform tasks is a transistor none of the above
	ANS: B	PTS:	1	REF:	15
21.	A named collection of a. memory b. file	of data t	hat exists on a	c.	medium is known as (a) file name none of the above
	ANS: B	PTS:	1	REF:	15
22.	An area of a comput a. the CPU b. memory	er that t	emporarily holo	c.	waiting to be processed is storage a file
	ANS: B	PTS:	1	REF:	15

23.	A set of computer pro a. an operating syst b. system software		that helps a per	c.	ry out a task is application software Windows
	ANS: C	PTS:	1	REF:	16
24.	A set of computer pro a. a software suite b. system software	ograms	that helps a cor	c.	monitor itself and function more efficiently is application software processing software
	ANS: B	PTS:	1	REF:	16
25.	The master controller a. application software b. system software		activities that t	c.	the operating system the CPU
	ANS: C	PTS:	1	REF:	16
26.	individual.	_	or-based compt	uting de	evice designed to meet the computing needs of an
	<ul><li>a. personal compute</li><li>b. mainframe</li></ul>	er			ALU server
	ANS: A	PTS:	1	REF:	17
27.	An ordinary personal a. mainframe b. workstation	compu	ter that is conn	c.	a network is a server console
	ANS: B	PTS:	1	REF:	17
28.	A powerful desktop of a. mainframe b. workstation	compute	er used for high	c.	mance tasks is a server console
	ANS: B	PTS:	1	REF:	17
29.	A compute-intensive a. server b. miniframe	problei	m runs on a	c.	supercomputer super PC
	ANS: C	PTS:	1	REF:	19
30.	Data becomesv a. information b. processed	when it	is presented in	c.	t that people can understand and use. graphs presentation
	ANS: A	PTS:	1	REF:	22



c. 10

**REF: 23** 

REF: 24

REF: 24

**REF: 24** 

d. 100

c. EBCDIC

c. EBCDIC

c. EBCDIC

d. all of the above

d. all of the above

d. all of the above

a. 1

b. 2

ANS: B

a. ASCII

ANS: A

a. ASCII

ANS: B

a. ASCII

ANS: D

b. Extended ASCII

b. Extended ASCII

b. Extended ASCII

PTS: 1

PTS: 1

35. The type of code that uses eight bits for each character is

PTS: 1

PTS: 1

37. You might represent \_\_\_\_ using character codes.

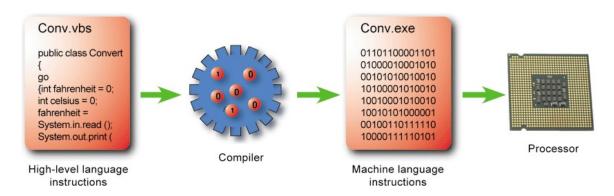
36. Digital devices can use \_\_\_\_ as a code to represent character data.

34. The type of code that uses only seven bits for each character is \_\_\_\_\_.

	<ul><li>a. color dots</li><li>b. bank balances</li></ul>			c. d.	Social Security numbers none of the above
	ANS: C	PTS:	1	REF:	25
38.	Data transmission spea. bits b. bytes	eeds are	typically expr	essed as c. d.	hertz
	ANS: A	PTS:	1	REF:	26
39.	Storage is typically e a. bits b. bytes	xpresse	d as	c. d.	hertz none of the above
	ANS: B	PTS:	1	REF:	
40.	1,024 bytes is a a. kilobyte b. megabyte	·		c. d.	gigabyte terabyte
	ANS: A	PTS:	1	REF:	·
41.	1,048,576 bytes is a a. kilobyte b. megabyte	·			gigabyte terabyte
	ANS: B	PTS:	1	REF:	26
42.	1,073,741,824 bytes a. kilobyte b. megabyte	is a	_·		gigabyte terabyte
	ANS: C	PTS:	1	REF:	26
43.	A super-thin slice of a. integrated circuit b. computer chip		nducting materi	c.	ted with microscopic circuit elements is a(n) microchip all of the above
	ANS: D	PTS:	1	REF:	27
	and tanin	and a San			Market alabate

44. The accompanying figure represents two types of chip carriers. The one on the left is a \_\_\_\_\_.

	<ul><li>a. PGA</li><li>b. DIP</li></ul>			c. d.	PID GAP
	ANS: B	PTS:	1	REF:	27
45.	The accompanying fa. PGA b. DIP	igure re	presents two ty	c.	chip carriers. The one on the right is a  PID GAP
	ANS: A	PTS:	1	REF:	27
46.	The houses all a. system board b. housing structure		l chips and pro		onnecting circuitry between them. circuit breaker chip set
	ANS: A	PTS:	1	REF:	28
47.	C, BASIC, COBOL, a. low-level b. computer	and Jav	a are examples	of c. d.	,
	ANS: D	PTS:	1	REF:	29
48.	The human-readable a. source code b. program code	version	of a program i	c.	human code system code
	ANS: A	PTS:	1	REF:	29
49.	A(n) converts a instructions is placed		_	rogran	n in a single batch; the resulting collection of
	<ul><li>a. compiler</li><li>b. interpreter</li></ul>				converter instruction
	ANS: A	PTS:	1	REF:	30
50.	A(n) converts a a. compiler b. interpreter	and exec	cutes one staten	c.	a time. converter instruction
	ANS: B	PTS:	1	REF:	30
51.	A collection of prepr called a(n) .	ogramn	ned activities su	ich as a	addition, subtraction, counting, and comparison is
	<ul><li>a. compiler code</li><li>b. interpreter code</li></ul>				machine code instruction set
	ANS: D	PTS:	1	REF:	30



52. , as shown in the accompanying figure, can be directly executed by the processors's circuitry.

a. Machine sets

c. Programming language

b. Machine language

d. none of the above

ANS: B

PTS: 1

REF: 30

53. The in machine language is a command word for an operation such as add, compare, or jump.

a. op code

c. ALU

b. operand

d. instruction code

ANS: A

PTS: 1

REF: 31

54. The \_\_\_\_ from an instruction specifies the data.

a. op code

c. ALU

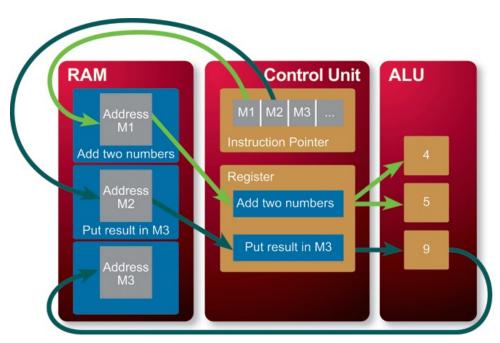
b. operand

d. instruction code

ANS: B

PTS: 1

REF: 31



55. The \_\_\_\_\_ is the part of the microprocessor that performs arithmetic operations, as shown in the accompanying figure.

a. control unit

c. ALU

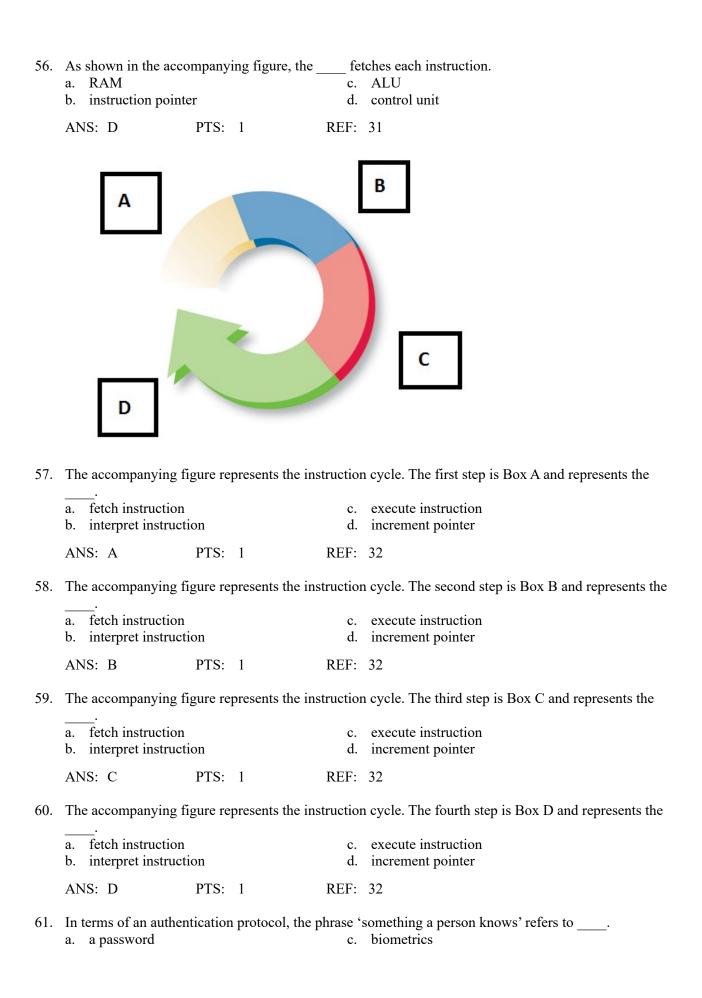
b. RAM

d. ADD

ANS: C

PTS: 1

REF: 31



	b. an ID card			d.	none of the above
	ANS: A	PTS:	1	REF:	34
62.	A is a series of a. PIN code b. password	characte	ers that become	c.	son's unique identifier. user ID all of the above
	ANS: C	PTS:	1	REF:	34
63.	In terms of an auther a. a password b. an ID card	ntication	protocol, the p	c.	something a person possesses' could refer to biometrics none of the above
	ANS: B	PTS:	1	REF:	34
64.	In terms of an auther a. password b. ID card	ntication	protocol, the p	c.	something a person is' refers to a(n) biometric device none of the above
	ANS: C	PTS:	1	REF:	34
65.	-	lit in yo	ur name	c.	our computer might be applying for a mortgage using your data all of the above
	ANS: D	PTS:	1	REF:	36
66.	A term which can refa. black hat b. cracker	fer to a p	person who man	c.	es computers with malicious intent is hacker all of the above
	ANS: D	PTS:	1	REF:	36
67.	A attack uses p a. brute force b. sniffing		-	c. d.	phishing cracker
	ANS: A	PIS:	1	REF:	37
68.	intercepts infora. Brute force b. Sniffing  ANS: B	rmation :	Î	c.	Phishing Cracking
69.	A hacker nosing as a	legitim	ata ranrasantati	ve of a	n official organization such as your bank is an
09.	example of a. brute force b. sniffing  ANS: C	PTS:	•	c.	phishing cracking
70.			ions include all		following EXCEPT
	<ul><li>a. generating passwor</li><li>b. tracking passwor</li></ul>				providing password strength recording keystrokes

	ANS: D	PTS:	1	REF:	40 - 41							
	Case-Based Critical Thinking Questions Case 1-1											
	Mike and Andre are discussing how quickly technology changes. They are discussing how it seems devices are merging to create new products especially in the technology field. They understand this is a process called convergence.											
71.	An example of an old a. clock radio b. cell phone	l form o	of convergence	c.	television microwave ov	ven						
	ANS: A	PTS:	1	REF:	9	TOP:	Critical Thinking					
72.	A great example of coa. clock radio b. cell phones	onverge	ence in modern	c.	logy is television HD-TV							
	ANS: B	PTS:	1	REF:	9	TOP:	Critical Thinking					
73.	this, each of them con a. 7 b. 12	uld be e	expected to own	n more to c.	than digita 13 24	al devic						
	ANS: D	PTS:	I	REF:	9	TOP:	Critical Thinking					
	Case-Based Critical Case 1-2	Think	ing Questions									
	Karen is studying about they are used.	out mic	rocontrollers in	her en	gineering class,	, and wa	ants to learn more about how					
74.			rollers are some	etimes r	referred to by ar	nother r	name. What is another term					
	for a microcontroller  a. computer-on-a-cl  b. smart phone				handheld com	nputer						
	ANS: A	PTS:	1	REF:	20	TOP:	Critical Thinking					
75.	information to which						vith microcontrollers can relay					
	<ul><li>a. Web sites</li><li>b. cell phones</li></ul>				data collection		es					
	ANS: D	PTS:	1	REF:	21	TOP:	Critical Thinking					
76.	e de la companya de											

REF: 21

TOP: Critical Thinking

ANS: B

PTS: 1

# **Case-Based Critical Thinking Questions Case 1-3**

Jim has just purchased a new computer and it has made him think about how it works. He is particularly interested in how information is processed and stored in his computer. He has come to you for help.

77.	into a. b. c.	an object the code you can you can	et code. Y is ready	ou tell to exect to exect to exect the introduced a chip	him it is so th	at	-	ogram a	at one time and places them
	AN	S: A		PTS:	1	REF:	30	TOP:	Critical Thinking
78.	an i a. b.	nstructio carry ou allow pr limit the	n set is do t a particu ogramme number	esigned ular tasl ers to us of tasks	to do. You te k	ell him it ative wa r can per	is designed to ys for multiple form	·	set. He wants to know what
	AN	S: B		PTS:	1	REF:	30	TOP:	Critical Thinking
79.	app a.	ear as an op co		perand	chine languag	c.	tions look like basic instruct all of the abo	tions, su	nachine. You tell him they ch as add
	AN	S: B		PTS:	1	REF:	30	TOP:	Critical Thinking
80.	uni him a.		s the instr			He want		ere the re	own register and the control esult of the add goes. You tell
	AN	S: C		PTS:	1	REF:	32	TOP:	Critical Thinking
СОМ	PLE	TION							
1.		ongoing digital _	process o	of social	l, political, an	ıd econoi	nic change bro	ought ab	out by digital technology is
	AN	S: revol	ution						
	PTS	S: 1		REF:	4				
2.	As con imp	the third sumer-fr	phase of iendly, all share an	the digi lowing Interne	tal revolution homeowners t connection.	unfolde to conne	d,ect multiple cor	nputers,	technology became , exchange files, and, most

	ANS: network							
	PTS: 1 REF: 8							
3.	3. The "" represents Internet-based services, such as applications and soo media, that are available from computers and handheld digital devices.							
	ANS: cloud							
	PTS: 1 REF: 9							
4. The expectation that a person's information will not be collected or divulged without permissing								
	ANS: confidentiality							
	PTS: 1 REF: 11							
5.	5. The ownership of certain types of information, ideas, or representations is intellectual							
	ANS: property							
	PTS: 1 REF: 12							
6.	6. Worldwide economic interdependence of countries that occurs as cross-border commerce increand as money flows more freely among countries is							
	ANS: globalization							
	PTS: 1 REF: 12							
7.	7. A term that refers to the gap between people who have access to technology and those who do no the digital							
	ANS: divide							
	PTS: 1 REF: 13							
8.	Symbols that represent facts, objects, and ideas are							
	ANS: data							
	PTS: 1 REF: 15							
9.	The manipulation of data is called							
	ANS: processing							
	PTS: 1 REF: 15							
10.	The concept that a series of instructions for a computing task can be loaded into memory is called a stored							

ANS: program

PTS: 1 REF: 16

11. Any software or digital device that requests data from a server is referred to as a(n)

\_\_\_\_\_

ANS: client

PTS: 1

REF: 18

12. A(n) \_\_\_\_\_ is a type of computer that is considered one of the fastest in the world (at the time of construction).

ANS: supercomputer

PTS: 1 REF: 19

13. A special-purpose microprocessor that is built into the machine it controls is a(n)

\_\_\_\_\_

ANS:

microcontroller computer-on-a-chip embedded computer

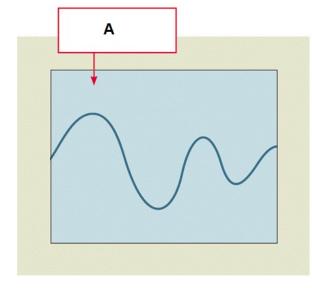
PTS: 1 REF: 20

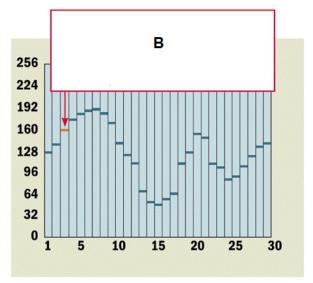
14. The term that refers to the form in which data is stored, processed, and transmitted is data

......

ANS: representation

PTS: 1 REF: 22





15.	In the accompanying figure, box A indicates a type of wave, such as a sound wave, known as a(n) wave.						
	ANS: analog						
	PTS: 1 REF: 25						
16.	6. In the accompanying figure, the sound wave indicated by B has been sliced into samples and so have been						
	ANS: digitized						
	PTS: 1 REF: 25						
17.	17. Eight bits is a(n)						
	ANS: byte						
	PTS: 1 REF: 26						
18. A machine language instruction has two parts, the op code and the							
	ANS: operand						
	PTS: 1 REF: 31						
19.	19. Identifying a person by personal attributes such as fingerprints or retinal patterns is called						
	·						
	ANS: biometrics						
	PTS: 1 REF: 34						
20.	ay guess it by stepping through a password						
	ANS: attack						
	PTS: 1 REF: 36						
MAT	ATCHING						
	Identify the letter of the choice that best matches the pha. Unicode						
	$\mathcal{E}_{-1}$	rating se sensitive					
	c. ALU i. me	emory					
		crochip					
		orage ssword manager					

- 1. The area where data can be left on a permanent basis when it is not immediately needed for processing
- 2. The practice of copying a file from a remote computer to a local computer
- 3. The illegal copying and distribution of copyrighted material

- 4. An area of the computer that temporarily holds data waiting to be processed, stored, or output
- 5. Provides codes for 65,000 characters
- 6. Another name for integrated circuit
- 7. Part of the microprocessor that performs arithmetic operations
- 8. Fetches each instruction
- 9. Differentiates between uppercase and lowercase words
- 10. Unauthorized use and access to personal data
- 11. Stores user IDs with their corresponding password
- 12. Human-readable version of a program

1.	ANS:	K	PTS:	1	REF:	15
2.	ANS:	D	PTS:	1	REF:	18
3.	ANS:	G	PTS:	1	REF:	12
4.	ANS:	I	PTS:	1	REF:	15
5.	ANS:	A	PTS:	1	REF:	25
6.	ANS:	J	PTS:	1	REF:	27
7.	ANS:	C	PTS:	1	REF:	31
8.	ANS:	F	PTS:	1	REF:	31
9.	ANS:	H	PTS:	1	REF:	35
10.	ANS:	В	PTS:	1	REF:	36
11.	ANS:	L	PTS:	1	REF:	40
12.	ANS:	E	PTS:	1	REF:	29

### **ESSAY**

1. What role does digital technology play in freedom of speech and democracy?

### ANS:

Freedom of speech is not an absolute. Most societies prohibit or repress some types of expression, such as hate speech, libel, pornography, and flag burning. The types of expressions that are allowed or prohibited in a particular country are, in many respects, a reflection of its culture. Digital technologies and communications networks make it easy to cross cultural and geographic boundaries. News, television shows, music, and art from all over the globe are accessible on the Internet. The Internet has the potential to expand freedom of speech by offering every person on the globe a forum for personal expression using personal Web sites, blogs, chat groups, social media, and collaborative wikis. Anonymous Internet sites make it possible to exercise freedom of speech in situations where reprisals might repress it.

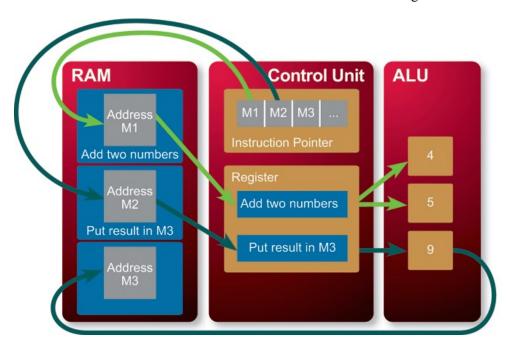
PTS: 1 REF: 10 - 11 TOP: Critical Thinking

2. Are handheld devices computers?

#### ANS:

Handheld digital devices include familiar gadgets such as iPhones, iPads, iPods, Garmin GPSs, Droids, and Kindles. These devices incorporate many computer characteristics. They accept input, produce output, process data, and include storage capabilities. Handheld devices vary in their programmability and their versatility. They can be divided into two broad categories: those that allow users to install software applications (apps) and those that do not. A handheld device that allows you to install applications can be classified as a handheld computer to distinguish it from the dedicated handheld devices that do not offer apps.

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3. Using the diagram in the accompanying figure, discuss how the control unit processes an instruction.

### ANS:

In this figure, the control unit's instruction pointer indicates M1, a location in memory. The control unit fetches the "Add two numbers" instruction from M1. This instruction is then sent to the ALU. The instruction pointer then changes to M2. The processor fetches the instruction located in M2, moves it to a register, and executes it.

PTS: 1 REF: 32 TOP: Critical Thinking